



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application for:

Jacob M. Christensen

Application No.: 09/818,786

Filed: March 28, 2001

For: METHOD FOR OPTIMIZING THE  
BANDWIDTH OF DSL CONNECTIONS

Examiner: Anthony T. Ton

Art Group: 2661

Conf. No.: 1032

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR REVOCATION AND POWER OF ATTORNEY TO BE ENTERED**

Dear Sir:

Attached is a copy of the Revocation and Power of Attorney for the above-referenced patent application previously filed on September 19, 2003. Please enter the Revocation and Power of Attorney and direct all future correspondence concerning this application to:

John F. Kacvinsky  
Blakely Sokoloff Taylor & Zafman LLP  
12400 Wilshire Boulevard  
Seventh Floor  
Los Angeles, CA 90025

(503) 439-8778

Respectfully submitted,

BLAKELY SOKOLOFF TAYLOR & ZAFMAN, LLP

Date: January 18, 2005

12400 Wilshire Boulevard  
Seventh Floor  
Los Angeles, CA 90025  
(503) 439-8778

John F. Kacvinsky, Reg. No. 40,040  
Under 37 CFR 1.34(a)



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SEP 30 2003

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
LOS ANGELES

Application No.: 09/818,786 Filing Date: 03/28/01 BSTZ Docket #: 042390.P11030 Atty/Sec: EHT/GDC/JFKY/dlh  
Date Mailed: 09/19/2003 Docket Due Date(s): \_\_\_\_\_ Client: INTEL CORPORATION  
Title METHOD FOR OPTIMIZING THE BANDWIDTH OF DSL CONNECTIONS

Inventor(s) Christensen, Jensen

*The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:*

- |   |   |
|---|---|
| <input type="checkbox"/> Amendment: (___ pgs)                             | <input type="checkbox"/> Information Disclosure Statement & PTO/SB/08 (___ pgs)   |
| <input type="checkbox"/> Appeal Brief & two copies (___ pgs)              | <input type="checkbox"/> Issue Fee Transmittal (original & copy)                  |
| <input type="checkbox"/> Application: (___ pages w/ cover & abstract)     | <input type="checkbox"/> Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i)   |
| <input type="checkbox"/> Application Amended to Reflect Claim of Priority | <input type="checkbox"/> Notice of Appeal   |
| <input type="checkbox"/> Assignment & Cover Sheet (___ pgs)               | <input type="checkbox"/> Petition for: _____                                      |
| <input checked="" type="checkbox"/> Certificate of Mailing                | <input type="checkbox"/> Request for Continued Examination (RCE)                  |
| <input type="checkbox"/> Continued Prosecution Application (CPA)          | <input type="checkbox"/> Reply Brief (___ pgs)                                    |
| <input type="checkbox"/> Declaration & POA (___ pgs)                      | <input type="checkbox"/> Request to Rescind Previous Nonpublication Request       |
| <input type="checkbox"/> Drawings: ___ sheets, ___ figures                | <input type="checkbox"/> Response to Notice of Missing Parts & Formalities Letter |
| <input type="checkbox"/> Express Mail No: _____                           | <input type="checkbox"/> Terminal Disclaimer                                      |
| <input type="checkbox"/> Extension of Time: _____                         | <input type="checkbox"/> Transmittal of Formal Drawings                           |
| <input checked="" type="checkbox"/> Fee Transmittal (original & copy)     | <input type="checkbox"/> Transmittal of Publication Fee Due                       |
| <input checked="" type="checkbox"/> Other - Revocation & POA (2 pgs)      | <input checked="" type="checkbox"/> Transmittal Letter                            |
| <input type="checkbox"/> Status Inquiry Request (1 pg)                    | <input type="checkbox"/> Check No. _____ in the Amount of _____                   |
|   | <input type="checkbox"/> Check No. _____ in the Amount of _____                   |

LO

Assignee: Intel Corporation

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OCT - 3 2003

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN  
SUNNYVALE

OCT 06 2003



Application No.: 09/818,786 Filing Date: 03/28/01 BSTZ Docket #: 042390.P11030 Atty/Sec: EHY/GDC/(JFK)/dlh  
Date Mailed: 09/19/2003 Docket Due Date(s): \_\_\_\_\_ Client: INTEL CORPORATION  
Title METHOD FOR OPTIMIZING THE BANDWIDTH OF DSL CONNECTIONS

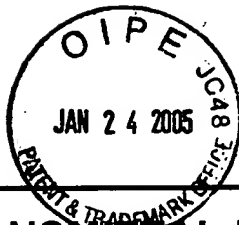
Inventor(s) Christensen, Jensen

*The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:*

- |   |   |
|---|---|
| <input type="checkbox"/> Amendment: (___ pgs)                                   | <input type="checkbox"/> Information Disclosure Statement & PTO/SB/08 (___ pgs)   |
| <input type="checkbox"/> Appeal Brief & two copies (___ pgs)                    | <input type="checkbox"/> Issue Fee Transmittal (original & copy)                  |
| <input type="checkbox"/> Application: (___ pages w/ cover & abstract)           | <input type="checkbox"/> Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i)   |
| <input type="checkbox"/> Application Amended to Reflect Claim of Priority       | <input type="checkbox"/> Notice of Appeal   |
| <input type="checkbox"/> Assignment & Cover Sheet (___ pgs)                     | <input type="checkbox"/> Petition for: _____                                      |
| <input checked="" type="checkbox"/> Certificate of Mailing                      | <input type="checkbox"/> Request for Continued Examination (RCE)                  |
| <input type="checkbox"/> Continued Prosecution Application (CPA)                | <input type="checkbox"/> Reply Brief (___ pgs)                                    |
| <input type="checkbox"/> Declaration & POA (___ pgs)                            | <input type="checkbox"/> Request to Rescind Previous Nonpublication Request       |
| <input type="checkbox"/> Drawings: ___ sheets, ___ figures                      | <input type="checkbox"/> Response to Notice of Missing Parts & Formalities Letter |
| <input type="checkbox"/> Express Mail No: _____                                 | <input type="checkbox"/> Terminal Disclaimer                                      |
| <input type="checkbox"/> Extension of Time: _____                               | <input type="checkbox"/> Transmittal of Formal Drawings                           |
| <input checked="" type="checkbox"/> Fee Transmittal (original & copy)           | <input type="checkbox"/> Transmittal of Publication Fee Due                       |
| <input checked="" type="checkbox"/> Other - <u>Revocation &amp; POA (2 pgs)</u> | <input checked="" type="checkbox"/> Transmittal Letter                            |
| <u>- Status Inquiry Request (1 pg)</u>  | <input type="checkbox"/> Check No. _____ in the Amount of _____                   |
| _____   | <input type="checkbox"/> Check No. _____ in the Amount of _____                   |
| _____   |   |

LO

Assignee: Intel Corporation

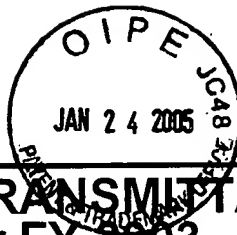


<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)		Application No.	09/818,786
		Filing Date	March 28, 2001
		First Named Inventor	Jacob M. Christensen
		Art Unit	Unknown
		Examiner Name	Unknown
Total Number of Pages in This Submission		Attorney Docket Number	42390P11030

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Response  <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> PTO/SB/08  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/Incomplete Application  <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert a Provisional Application  <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s)  <div>Remarks</div>	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input checked="" type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div>Return Receipt Postcard</div>

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Gregory D. Caldwell, Reg. No. 39,926 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	September 19, 2003

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.			
Typed or printed name	Deborah L. Higham		
Signature		Date	September 19, 2003



# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$ ) 0.00

## Complete if Known

Application Number 09/818,786  
Filing Date March 28, 2001  
First Named Inventor Jacob M. Christensen  
Examiner Name Unknown  
Group/Art Unit Unknown  
Attorney Docket No. 42390PI1030

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☒ None  
☐ Deposit Account

Deposit Account Number 02-2666

Deposit Account Name Blakely, Sokoloff, Taylor & Zafman LLP

The Commissioner is authorized to (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments  
☒ Charge any additional fee(s) required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)				(\$ )	

### 2. EXTRA CLAIM FEES

Total Claims 20\* = 0 X 18.00 = \$0.00  
Independent Claims 3\* = 0 X 84.00 = \$0.00  
Multiple Dependent

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple Dependent claim, if not paid	
1204	84	2204	42	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)				(\$ )	0.00

\*or number previously paid, if greater, For Reissues, see below

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
2053	130	2053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1404	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	1809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ )

## SUBMITTED BY

Name (Print/Type) Gregory D. Caldwell

Registration No. (Attorney/Agent)

39,926

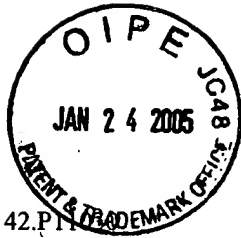
Telephone

(503) 684-6200

Signature

Date

09/19/03



Attorney Docket No: 42.P11

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
Christensen, et al	)	
	)	Examiner: Unknown
	)	
Application No.: 09/818,786	)	Art Unit: Unknown
	)	
Filing Date: March 28, 2001	)	
	)	
For: Method for Optimizing the Bandwidth of DSL	)	
Connections	)	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

REVOCATION AND POWER OF ATTORNEY

The assignee, Intel Corporation, of the above-identified Patent Application, hereby revokes all previous powers of attorney given in this Patent Application, and appoints the firm identified below and individual.

Intel Corporation, a corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an Assignment from the inventor(s) of the patent application identified above. The Assignment was recorded in the Patent and Trademark Office at Reel 011644, Frame 0001, or when the Assignment has not yet been recorded, a copy thereof is attached.

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, a firm including: Ramin Aghevli, Reg. No. 43,462; William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Thomas M. Coester, Reg. No. 39,637; Mimi D. Dao, Reg. No. 45,628; Stephen M. De Klerk, Reg. No. 46,503; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; Angelo J. Gaz, Reg. No. 45,907; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; James A. Henry, Reg. No. 41,064; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W. Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steve Laut, Reg. No. 47,736; Suk S. Lee, Reg. No. 47,745; Gordon R. Lindeen III, Reg. No. 33,192; Jan C. Little, Reg. No. 41,181; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, Reg. No. 48,095; Raul D. Martinez, Reg. No. 46,904; Paul A. Mendonsa, Reg. No. 42,879; Jonathan S. Miller, Reg. No. 48,534; Richard A. Nakashima, Reg. No. 42,023; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Philip A. Pedigo, Reg. No. P-52,107; Marina Portnova, Reg. No. 45,750; Joseph A. Pugh, Reg. No. P-52,137; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Saina S. Shamilov, Reg. No. 48,266; Kevin G. Shao, Reg. No. 45,095; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Edwin H. Taylor, Reg. No. 25,129; Lisa Tom, Reg. No. P-52,291; Kerry D. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Thomas A. Van Zandt, Reg. No. 43,219; Lester J. Vincent, Reg. No. 31,460; John P. Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Brent E. Vecchia, Reg. No. 48,011, and Lehua Wang, Reg. No. 48,023; my patent agents, of BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP,

with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and Alan K. Aldous, Reg. No. 31,905; Rob D. Anderson, Reg. No. 33,826, Jay P. Beale, Reg. No. 50,901; Shireen I. Bacon, Reg. No. 40,494; R. Edward Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Robert Chang, Reg. No. 48,765; George Chen, Reg. No. 50,807; Glen B. Choi, Reg. No. 43,546; Kenneth Cool, Reg. No. 40,570; Ted A. Crawford, Reg. No. 50,610; Robert Diehl, Reg. No. 40,992; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg. No. 39,973; Christopher Gagne, Reg. No. 36,142; Sharmini N. Green, Reg. No. 41,410; Robert Greenberg, Reg. No. 44,133; Bradley Greenwald, Reg. No. 34,341; Jeffrey B. Huter, Reg. No. 41,086; Seth Z. Kalson, Reg. No. 40,670; John F. Kacvinsky, Reg. No. 40,040; Peter Lam, Reg. No. 44,855; Issac Lin, Reg. No. 50,672; David C. Lundmark, Reg. No. 42,815; Anthony Martinez, Reg. No. 44,223; Larry Mennemeier, Reg. No. 51,003; Paul Nagy, Reg. No. 37,896; Michael J. Nesheiwat, Reg. No. 47,819; Dennis A. Nicholls, Reg. No. 42,036; Lanny Parker, Reg. No. 44,281; Michael D. Plimier, Reg. No. 43,004; Michael Proksch, Reg. No. 43,021; Kevin A. Reif, Reg. No. 36,381; Crystal D. Sayles, Reg. No. 44,318; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Ami P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Paul E. Steiner, Reg. No. 41,326; Joni D. Stutman-Horn, Reg. No. 42,173; David Tran, John F. Travis, Reg. No. 43,203; Reg. No. 50,804; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells, Reg. No. 43,256; Michael Willardson, Reg. No. 50,856 and Charles K. Young, Reg. No. 39,435; my patent agents, of INTEL CORPORATION; and James R. Thein, Reg. No. 31,710, my patent attorney; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

The individual whose signature appears below is authorized to execute this Power of Attorney on behalf of Intel Corporation.

Please direct all communications concerning this Application to:

John F. Kacvinsky  
c/o BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Boulevard, Seventh Floor  
Los Angeles, CA 90025  
(408) 720-8300

Date: September 12, 2003

By: Pam Matlock  
Pam Matlock  
Secretary of Patents  
Intel Corporation

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 on:

19 September 2003  
Date of Deposit

Deborah L. Higham  
Name of Person Mailing Correspondence

[Signature] 9/19/03  
Signature Date